



ASCE Engineering Mechanics Division  
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Sandia National Laboratories

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#### ABOUT ALBUQUERQUE

Nestled between the towering Sandia mountains and the Rio Grande valley, the city of Albuquerque is rich with culture, heritage, and breathtaking natural beauty.

Early Spanish settlers arrived in the mid-1600s. Historic Old Town was founded in 1706 and the city was named after the Duke of Albuquerque, the viceroy of New Spain.

Albuquerque is the largest city in New Mexico. It offers an array of activities for all ages and interests. From mountain biking and hiking to playing a rousing game of golf on one of its famed golf courses, or perhaps taking a tour of one of Albuquerque's vineyards or browsing museums and galleries. There is a range of activities for any visitor.

Just minutes from the heart of Albuquerque, the world's longest aerial tramway lifts you to the breathtaking top of Sandia Peak. Experience the drama of an 11,000 square mile panoramic view of New Mexico from the World's Longest Tramway. From the base to the top of 10,378 foot Sandia Peak, time and terrain seem to move in harmony as passengers lift from the desert floor, above canyons and lush forests, to the mountain top.

Albuquerque says Bienvenidos to all its visitors and looks forward to seeing you in 2004.

9th ASCE EMD/SEI/GI/AD  
Sandia National Laboratories  
P.O. Box 5800, MS0833  
Albuquerque, New Mexico 87185-0833

Call for Papers  
9th ASCE EMD/SEI/GI/AD  
Joint Specialty Conference on Probabilistic  
Mechanics and Structural Reliability  
[www.esc.sandia.gov/pmc04.html](http://www.esc.sandia.gov/pmc04.html)

Join us for the

**9th ASCE EMD/SEI/GI/AD**



AMERICAN SOCIETY OF CIVIL ENGINEERS

**Joint Specialty Conference  
on Probabilistic Mechanics  
and Structural Reliability**

**July 26-28, 2004**

**hosted by**

**Sandia National Laboratories  
Albuquerque, New Mexico**

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9th ASCE EMD/SEI/GI/AD



AMERICAN SOCIETY OF CIVIL ENGINEERS

Probabilistic mechanics and reliability analysis are valuable and powerful tools in many engineering disciplines. As variabilities and uncertainties in design parameters and behaviors are increasingly considered in the design of engineering systems, both applied and basic research in the area of stochastic mechanics will continue to grow. Sandia National Laboratories will host the Ninth ASCE EMD/SEI/GI/AD Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability, one of the most prestigious international meetings addressing these fields. The conference will on July 26-28, 2004 in Albuquerque, New Mexico and will bring together researchers and scientists from around the world. State-of-the-art developments in all areas of stochastic mechanics will be presented and discussed. Engineers, researchers, and scientists who are involved in reliability of structural, mechanical, marine, aerospace, geotechnical, and environmental systems are invited to participate.

CALL  
FOR  
PAPERS

Papers are encouraged in the areas of probabilistic mechanics and structural reliability, including but not limited to:

- Civil Infrastructure Systems
- Codes and Standards
- Computational Stochastic Mechanics
- Damage and Maintenance
- Earthquake Engineering
- Expert Systems
- Fatigue and Damage Control and Detection
- Fatigue and Fracture Mechanics
- Flow Induced Vibrations
- Geotechnical Systems
- Model Validation
- Monte Carlo Simulations
- Non-Linear Stochastic Differential Equations
- Optimization Under Uncertainty
- Pressure Vessels and Piping
- Probabilistic Methods in Design/Analysis
- Random Vibrations
- Safety of Aerospace Systems
- Safety of Bridges and Offshore Structures
- Safety of Nuclear and Geotechnical Systems
- Site Characterization
- Stability and Bifurcation
- Statistical Analysis
- Stochastic Finite Elements
- Stochastic Modeling of Environmental Loads
- Structural Control
- Structural Damage
- System Identification
- System Reliability Random Processes
- Random Fields
- Risk Management
- Uncertainty Quantification
- Wave Propagation
- Wind Engineering

Call for Papers  
Ninth ASCE EMD/SEI/GI/AD  
Joint Specialty Conference on Probabilistic  
Mechanics and Structural Reliability

- ⊕ Abstracts should be limited to 200 words or less, double-spaced and should include: the author(s), address(es), e-mail(s) and daytime telephone number(s).
- ⊕ Submission of a final paper implies a firm commitment to present the paper at the conference.
- ⊕ All technical speakers will be required to be registered participants of the conference.
- ⊕ Accepted papers will be published in the CD-ROM conference proceedings of the Ninth ASCE EMD/SEI/GI/AD Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability.
- ⊕ Authors will also be provided with ASCE instructions for preparing a 4-6 page, single spaced final paper.
- ⊕ To ensure inclusions in the CD-ROM conference proceedings, which will be distributed with registration materials, authors must provide their paper electronically in Adobe PDF format.
- ⊕ All abstracts must be submitted electronically.

IMPORTANT DATES

- ⊕ November 14, 2003: Abstract submittal and request for organizing sessions
- ⊕ January 16, 2004: Authors notified of acceptance
- ⊕ March 5, 2004: Final paper
- ⊕ July 26-28, 2004: 9<sup>th</sup> ASCE EMD/SEI/AD PMC

For more information see:  
[www.esc.sandia.gov/pmco4.html](http://www.esc.sandia.gov/pmco4.html)